



National Science Foundation

Rotational Vacancy

ANNOUNCEMENT NO: E20020121-Rotator

OPEN: 05/24/2002

CLOSE: 07/26/2002

Vacancy announcement may close 14 days from opening date without notice.

THIS POSITION WILL BE FILLED ON A ONE OR TWO YEAR VISITING SCIENTIST, TEMPORARY BASIS OR INTERGOVERNMENTAL PERSONNEL ACT (IPA) BASIS.

Individuals wishing to apply to the permanent position see vacancy announcement number E20020120.

The National Science Foundation is seeking a qualified candidate for a position to be filled in the Division of Information and Intelligent Systems (IIS), Directorate for Computer and Information Sciences and Engineering (CISE), Arlington, VA. Selected candidate will be filled as Computer Scientist (Program Director), AD-1550-4. The Division of Information and Intelligent Systems strives to increase the ability to use information for human ends by supporting research to improve the ability to generate, store, organize, locate, communicate, and store knowledge using new technologies. This recognizes that high quality content, its accessibility, and its usability are important benefits provided by new technology, and are complementary to bandwidth and disk space. Fundamental research foci include universal access, human language technology, knowledge modeling, scientific collaboration, robotics, computer vision, data mining, database access technology, human-computer interaction, and embedded intelligent systems. IIS supports interdisciplinary and interagency activities such as the Digital Library and STIMULATE (Speech, Text, Image, and Multimedia Advanced Technology Effort) initiatives.

Position will be filled on a one or two year Visiting Scientist Appointment, Temporary Appointment or under the terms of the Intergovernmental Personnel Act (IPA). Temporary and Visiting Scientist appointments will be made under the Excepted Authority of the NSF Act. For temporary appointments of more than one year, the usual civil service benefits (retirement, health and life insurance) are applicable. For Visiting Scientist appointments, individuals are in a non-pay leave status from the home institution and are appointed to NSF's payroll as a Federal employee. NSF withholds Social Security and provides reimbursement for fringe benefits. For IPA assignments, the individual remains on the payroll of his/her institution and the institution continues to administer pay and benefits. NSF reimburses the institution for NSF's negotiated share of the costs. Individuals eligible for an IPA assignment include employees of State and local government agencies, institutions of higher education, Indian tribal governments, federally funded research and development centers and qualified nonprofit organizations. The individual remains an employee of the home institution.

DUTIES AND RESPONSIBILITIES: Serves as Program Director for the Robotics and Human Augmentation Program located in the Division of Information and Intelligent Systems. The Division's goal is to increase scientific understanding of information processes in organisms and machines, to expand the body of scientific knowledge which can be applied in the design of robotic and other intelligent systems, and to strengthen the infrastructure for research in this field. The Robotics and Human Augmentation Program supports scientific and engineering research fundamental to the design of systems capable of implementing some of the characteristics of human intelligence. Representative topics include pattern analysis, machine vision, speech understanding, automated reasoning, and planning of complex tasks involving temporal and spatial relationships, typically encountered in a robotic system. The incumbent of this position will be responsible for the following:

- Planning, coordination and management of activities primarily through Federal grants and contracts to academic institutions, non-profit, non-academic institutions.
- Initiating new programs, organizing symposia, and assessing objectives of research efforts which have impact on the diverse applications of advanced information and knowledge-based technology.
- Serving as the NSF's representative on permanent or ad hoc committees to evaluate proposals, to assess the scientific quality and validity of ongoing research and to plan future approaches.
- Planning and administration of the Program within the framework of legislation, agency policies, missions, objectives and resources and serves as spokesperson for the NSF with regard to the scientific community.
- Serving as the recognized authority in robotics and machine intelligence/computer science.
- Designing and implementing the proposal review and evaluation process for the Program to assure quality of research proposals and the adequacy of review.
- Negotiating revision of proposal budgets when appropriate, and serving as on-going advisor to applicants and grantees concerning NSF policies, requirements, regulations and program objectives.
- Conducting final review of proposals and evaluations and recommends awards or declinations.

QUALIFICATIONS REQUIRED: Applicants must possess a Ph.D. or equivalent experience in computer science or a comparable field of science or engineering that is closely related to robotics. In addition, at least six or more years of successful research, research administration, and/or managerial experience beyond the Ph.D. pertinent to the above disciplines.

HOW TO APPLY: The salary range, which includes a locality pay adjustment, is from \$78,265 to \$121,967 per annum depending on qualifications and experience. Individuals interested in applying for this vacancy should submit a resume or any application of your choice to the National Science Foundation, Division of Human Resource Management, 4201 Wilson Blvd., Arlington, VA 22230, Attn: E20020121-Rotator. In addition you are asked to complete and submit the attached Applicant Survey form. Submission of this form is voluntary and will not affect your application for employment (the information is used for statistical purposes). Telephone inquiries may be referred to Maria Sutton, on (703) 292-4364. For technical information, contact Dr. William S. Bainbridge, Division of Information and Intelligent Systems, at (703) 292-8930. Hearing impaired individuals may call TDD (703) 292-8044. Announcements may be accessed electronically on the World Wide Web at: <http://www.nsf.gov/jobs/>.

The National Science Foundation provides reasonable accommodations to applicants with disabilities on a case-by-case basis. If you need a reasonable accommodation for any part of the application and hiring process, please notify the point of contact listed on this vacancy announcement.

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HIGHLY QUALIFIED STAFF THAT REFLECTS THE DIVERSITY OF OUR NATION**

**NATIONAL SCIENCE FOUNDATION
APPLICANT SURVEY**

**OMB No. 3145-0096
Expiration: August 2002**

Vacancy Ann. #: _____

Position Status (temporary/permanent): _____

Position Title/Series/Grade: _____

INSTRUCTIONS

Your completion of this form will be appreciated. Submission of this Information is voluntary and it will have no effect on the processing of your application. The data collected will be used only for statistical purposes to ensure that agency personnel practices meet the requirements of Federal law. Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to an information collection unless it displays a valid OMB control number. The OMB control number for this collection is 3145-0096. NSF estimates that each respondent should take about 3 minutes to complete this survey, including time to read the instructions. You may have comments regarding this burden estimate or any other aspect of this survey, including suggestions for reducing this burden. If so, please send them to NSF Reports Clearance Officer, Division of Administrative Services, NSF, 4201 Wilson Blvd., Arlington, VA. 22230.

PRIVACY ACT INFORMATION

GENERAL - This information is provided pursuant to Public Law 93-579 (Privacy Act of 1974), December 31, 1974, for individuals completing Federal records and forms that solicit personal information.

AUTHORITY - Section 7201 of title 5 of the U.S. Code and Section 2000e-16 of title 42 of the U.S. Code.

PURPOSE AND ROUTINE USES

The information is used for research and for a Federal Equal Opportunity Recruitment Program (FEORP) to help insure that agency personnel practices meet the requirements of Federal law. Address questions concerning this form and its uses to the Privacy Act Officer, National Science Foundation, Arlington, VA 22230.

1. Today's Date: _____

2. Year of Birth: _____

3. How did you learn about the particular position for which you are applying? (Circle appropriate number.)

01 - Newspaper (specify)

10 - Federal, State or local job information center

02 - Contact with NSF Personnel Office

11 - State vocational rehabilitation agency or

(Agency Bulletin Board or other Announcement)

Veterans Administration

03 - NSF-initiated personal contact

12 - State employment office

04 - Science Magazine, or other professional journal or magazine

13 - School or college counselor or other official

(specify)

14 - Private job Information service

05 - Affirmative Action Register

15 - Private employment service

06 - Attendance at conference, meeting or job fair

16 - Friend or relative working at NSF

(specify)

17 - Friend or relative not working at NSF

07 - NSF recruitment at school or college

18 - NSF website

08 - Colleague referral

19 - Internet or other website

09 - NSF Bulletin

20 - Other (specify)

4. Please select the racial/ethnic category with which you most closely identify yourself. (Circle the appropriate letter)

A. **American Indian or Alaskan Native.** A person having origins in any of the original peoples of North America, who maintains cultural identification through tribal affiliation or community recognition.

B. **Asian or Pacific Islander.** A person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. This area includes, for example, China, India, Korea, the Philippine Islands, and Samoa.

C. **Black, not of Hispanic origin.** A person having origins in any of the Black racial groups of Africa. This does not include persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish cultures or origins.

D. **Hispanic.** A person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race.

E. **White, not of Hispanic origin.** A person having origins in any of the original peoples of Europe, North Africa or the Middle East. This does not include persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish cultures or origin.

5. Sex (Circle the appropriate letter.) F - Female M - Male

6. Please provide Information on your disability status by circling the appropriate category below:

1. I do not have a disability; 2. Hearing impairment; 3. Vision impairment; 4. Missing extremities; 5. Partial paralysis; 6. Complete paralysis; 7.

Convulsive disorder; 8. Mental retardation; 9. Mental or emotional illness; 10. Severe distortion of limbs and/or spine; 11. I have a disability but it is not listed.

FOR AGENCY USE

Agency Code: _____

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER